GOVERNMENT OF INDIA
CIVIL AVIATION
LOK SABHA

UNSTARRED QUESTION NO:2069
ANSWERED ON:28.07.2016
Energy and Water Conservation Measures at Airports
Gaikwad Dr. Sunil Baliram;Joshi Shri Pralhad Venkatesh;Mahato Shri Bidyut Baran;Pandey Shri Ravindra Kumar;Radhakrishnan Shri T.;S.R. Shri Vijay Kumar;Singh Shri Kunwar Haribansh

Will the Minister of CIVIL AVIATION be pleased to state:

(a) whether the Government has reviewed the progress of energy and water conservation measures at Airports Authority of India (AAI) airports across the country recently and if so, the details and outcome thereof;

(b) the number of airports which have installed solar power plants and using recycled water for horticulture, firefighting and air-conditioning requirement till date, airport-wise;

(c) the details of projects approved and installed capacity for generation of solar energy at various airports of the country including Ranchi, airport-wise;

(d) whether the Government has directed AAI recently to generate additional solar energy at airports and to supply excess power thus generated to power grid after meeting its own requirements, if so, the details thereof;

(e) the number of airports that have been awarded Indian Green Building Council"s Leadership in Energy and Environmental Design (LEED) gold rating for green buildings for sustainable and environment friendly design;

(f) whether the Government has directed the AAI to provide similar infrastructure at all airports under its jurisdiction and if so, the time by which the remaining airports are likely to be provided such type of infrastructure; and

(g) the steps taken to make airports self-sufficient in energy and water requirement?

Answer

Minister of State in the Ministry of CIVIL AVIATION

(Shri Jayant Sinha)

(a): Yes, Madam. Energy Audit has been conducted at 42 Airports in the year 2015-16 and 14 more Airports taken up for Energy Audit in the year 2016-17. 15 Airports identified and taken up for replacement of conventional lights with energy efficient LED lights during the year 2015-16 and water conservation measures taken at 37 airports.

(b): Solar power plants installed at 15 airports and also in the Rajiv Gandhi Bhawan at Safdarjung Airport. Recycled water is used for horticulture/firefighting/air-conditioning at 30 airports.

(c): The 16 solar projects completed have a total energy generation capacity of 6800 KWp. Further 14 solar power projects with a capacity of 22700 KWp has been taken up. The solar power project of Ranchi Airport has already been commissioned with a capacity of 250 KWp.

(d): Airports Authority of India (AAI) has already initiated action for installation of Ground Mounted Solar Power Plants at available land at Kolkata (15000 KWp), Jaipur (1800 KWp) and Chandigarh (3000 KWp) airports.

(e) & (f): AAI is following GRIHA (Green Rating for Integrated Habitat Assessment) system for sustainable and environment friendly design. All the new buildings are constructed as per the ECBC (Energy Conservation Building Code) norms and obtain 4 star GRIHA rating. New Terminal Building at Chandigarh Airport has already obtained 4 star GRIHA rating.

(g): Airports Authority of India (AAI) has already taken measures to generate solar energy for the Airports. AAI has signed MoU with SECI and completed 6.8 MWp roof top solar projects at 16 different Airports/ Units across India. AAI further awarded another 2.9 MWp solar roof top plants & 19.8 MWp solar ground mounted works at 14 airports.